

Amendment and Response under 37 C.F.R. 1.116

Applicant: Jerome A. Haney
Serial No.: 10/629,005
Filed: July 29, 2003
Docket No.: 10990836-3
Title: RACK MOUNT ASSEMBLY

IN THE CLAIMS

Please amend claims 10, 15, 24, 29, and 38 as follows:

1-9. (Cancelled)

10. (Currently Amended) A rack mount assembly for a rack system including opposing column flanges having flange apertures formed therein, the rack mount assembly comprising:

 a rack mount having a first end, and a second end, and a length between the first and second ends;

 a first mounting flange adjacent the first end of the rack mount, the first mounting flange having a first alignment protrusion formed thereon; and

 a second mounting flange adjacent the second end of the rack mount, the second mounting flange having a second alignment protrusion formed thereon,

 wherein the first and second mounting flanges contact the opposing column flanges when the rack mount is in a first position between the opposing column flanges,

 wherein the first and second alignment protrusions contact and slide relative to the opposing column flanges when the rack mount is in a second position between the opposing column flanges, and

 wherein the first and second alignment protrusions engage the flange apertures when the rack mount is in a third position between the opposing column flanges,

 wherein the second position of the rack mount is between the first position of the rack mount and the third position of the rack mount

 wherein the length of the rack mount is maintained when the rack mount is in the first position, the second position, and the third position.

11. (Previously Presented) The rack mount assembly of claim 10, wherein the first and second alignment protrusions are adapted to contact and slide relative to the opposing column flanges along a surface of a respective one of the opposing column flanges.

12. (Previously Presented) The rack mount assembly of claim 10, wherein the first and second alignment protrusions are adapted to contact and slide relative to the opposing column

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flanges in a direction substantially perpendicular to a longitudinal axis of the opposing column flanges.

13. (Previously Presented) The rack mount assembly of claim 10, wherein the first and second alignment protrusions are adapted to support the rack mount between the opposing column flanges.

14. (Previously Presented) The rack mount assembly of claim 10, the opposing column flanges having additional flange apertures formed therein, wherein the first and second mounting flanges each have at least one mounting aperture formed therein, and wherein the at least one mounting aperture of each of the first and second mounting flanges is adapted to be aligned with one of the additional flange apertures when the first and second alignment protrusions engage the flange apertures.

15. (Currently Amended) The rack mount assembly of claim 10, wherein ~~a~~ the length of the rack mount between the first and second ends is adjustable.

16. (Previously Presented) The rack mount assembly of claim 10, wherein the first and second mounting flanges are substantially orthogonal to a longitudinal axis of the rack mount, and wherein the alignment protrusions of the first and second mounting flanges extend toward each other.

17. (Previously Presented) The rack mount assembly of claim 10, wherein the first and second mounting flanges are substantially orthogonal to a longitudinal axis of the rack mount, and wherein the alignment protrusions of the first and second mounting flanges extend away from each other.

18. (Previously Presented) The rack mount assembly of claim 10, wherein the rack mount is adapted to support an enclosure.

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19. (Previously Presented) The rack mount assembly of claim 10, wherein the rack mount includes a first mounting bracket including the first mounting flange and a second mounting bracket including the second mounting flange.

20. (Previously Presented) The rack mount assembly of claim 10, wherein the rack mount includes an outer channel and an inner channel slidably supported by the outer channel, wherein the inner channel is adapted to support rack mount equipment.

21. (Previously Presented) The rack mount assembly of claim 10, wherein the rack mount includes a rack rail, wherein the rack rail is adapted to support rack mount equipment.

22. (Previously Presented) The rack mount assembly of claim 10, wherein the first and second alignment protrusions include truncated cones.

23. (Cancelled)

24. (Currently Amended) A rack system, comprising:
opposing column flanges each having flange apertures formed therein; and
a rack mount including a first mounting flange at a first end thereof and a second mounting flange at a second end thereof and having a length between the first and second ends, the first mounting flange having a first alignment protrusion formed thereon and the second mounting flange having a second alignment protrusion formed thereon,
wherein the first and second mounting flanges contact the opposing column flanges when the rack mount is in a first position between the opposing column flanges,
wherein the first and second alignment protrusions engage the flange apertures when the rack mount is in a second position between the opposing column flanges.
wherein the first and second alignment protrusions contact and slide relative to the opposing column flanges when the rack mount is in a second position between the opposing column flanges moved from the first position to the second position, and
wherein the first and second alignment protrusions engage the flange apertures when the rack mount is in a third position between the opposing column flanges,

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~~wherein the second position of the rack mount is between the first position of the rack mount and the third position of the rack mount~~

wherein the length of the rack mount is maintained when the rack mount is moved from the first position to the second position.

25. (Previously Presented) The rack system of claim 24, wherein the first and second alignment protrusions contact and slide relative to the opposing column flanges along a surface of a respective one of the opposing column flanges.

26. (Previously Presented) The rack system of claim 24, wherein the first and second alignment protrusions contact and slide relative to the opposing column flanges in a direction substantially perpendicular to a longitudinal axis of the opposing column flanges.

27. (Previously Presented) The rack system of claim 24, wherein the first and second alignment protrusions support the rack mount between the opposing column flanges.

28. (Previously Presented) The rack system of claim 24, wherein the opposing column flanges each have additional flange apertures formed therein, wherein the first and second mounting flanges each have at least one mounting aperture formed therein, and wherein the at least one mounting aperture of each of the first and second mounting flanges is aligned with one of the additional flange apertures when the first and second alignment protrusions engage the flange apertures.

29. (Currently Amended) The rack system of claim 24, wherein ~~a~~ the length of the rack mount between the first and second ends is adjustable.

30. (Previously Presented) The rack system of claim 24, wherein the first and second mounting flanges are substantially orthogonal to a longitudinal axis of the rack mount, and wherein the alignment protrusions of the first and second mounting flanges extend toward each other.

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31. (Previously Presented) The rack system of claim 24, wherein the first and second mounting flanges are substantially orthogonal to a longitudinal axis of the rack mount, and wherein the alignment protrusions of the first and second mounting flanges extend away from each other.

32. (Previously Presented) The rack system of claim 24, wherein the rack mount is adapted to support an enclosure.

33. (Previously Presented) The rack system of claim 24, wherein the rack mount includes a first mounting bracket including the first mounting flange and a second mounting bracket including the second mounting flange.

34. (Previously Presented) The rack system of claim 24, wherein the rack mount includes an outer channel and an inner channel slidably supported by the outer channel; wherein the inner channel is adapted to support rack mount equipment.

35. (Previously Presented) The rack system of claim 24, wherein the rack mount includes a rack rail, wherein the rack rail is adapted to support rack mount equipment.

36. (Previously Presented) The rack system of claim 24, wherein the first and second alignment protrusions include truncated cones.

37. (Cancelled)

38. (Currently Amended) A method of mounting a rack mount assembly including mounting flanges in a rack system including opposing column flanges, the method comprising:

positioning the rack mount assembly to span the opposing column flanges of the rack system, including adjusting a length of the rack mount assembly between the mounting flanges and contacting the opposing column flanges with the mounting flanges of the rack mount assembly;

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after positioning the rack mount assembly to span the opposing column flanges, sliding the rack mount assembly relative to the opposing column flanges, including contacting the opposing column flanges with alignment protrusions formed on the mounting flanges of the rack mount assembly and sliding the alignment protrusions along a surface of the opposing column flanges; and

after sliding the rack mount assembly relative to the opposing column flanges, engaging flange apertures of the opposing column flanges with the alignment protrusions, wherein sliding the rack mount assembly relative to the opposing column flanges and engaging flange apertures of the opposing column flanges with the alignment protrusions each include maintaining the length of the rack mount assembly.

39. (Cancelled)

40. (Cancelled)

41. (Previously Presented) The method of claim 38, wherein sliding the rack mount assembly relative to the opposing column flanges includes sliding the alignment protrusions in a direction substantially perpendicular to a longitudinal axis of the opposing column flanges.